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(71) Applicant: MITSUI PETROCHEM IND LTD

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(84) Designated contracting states:

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(54) PRODUCTION OF TAXANE TYPE DITERPENE

(57) Abstract:

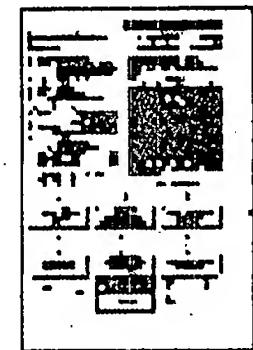
PURPOSE: To industrially and advantageously obtain the subject compound useful as a therapeutic agent, etc., for ovarian, mammary cancer, lung cancers, etc., by culturing a cell or a tissue of a plant capable of producing a taxane type diterpene in the presence of an oxidizing agent and recovering the produced oil from the resultant cultured product.

CONSTITUTION: A cell or a tissue of a plant capable of producing a taxane type diterpene (e.g. *Taxus baccata* Linn) is bedded on a solid culture medium containing naphthaleneacetic acid and cultured in the dark at 25°C by stationary culture to produce a callus, which is then cultured in a culture medium containing an oxidizing agent (e.g. potassium peroxodisulfate) at 25°C for 21 days by shaking culture, then collecting the cultured cell of the plant capable of producing the taxane type diterpene by filtration, freeze-drying the collected cell, extracting the dried callus and culture medium with methanol, dichloromethane, etc., and purifying the extract by a high-performance liquid chromatography. Thereby, the

objective taxane type diterpene (e.g. taxol) useful as a therapeutic agent, etc., for ovarian, mammary, lung cancers, etc., is efficiently obtained.

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AZUMA YASUSUKE;**Assignee:** MITSUI PETROCHEM IND LTD[News, Profiles, Stocks and More about this company](#)[View Image](#)
[1 page](#)**Published / Filed:** Aug. 13, 1996 / March 6, 1995**Application Number:** JP1995000045482**IPC Code:** C12P 17/02; A61K 31/335; A61K 35/78; A61K 31/12; C12P 17/02;**Priority Number:** Dec. 5, 1994 JP1994000301198**Abstract:**

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Family: None**Other Abstract Info:** CHEMABS 125(19)245814W CAN125(19)245814W DERABS C96-419818 DERC96-419818**Inquire Regarding Licensing****CHI**
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